

XVI. *Descriptions of new Species of Coleoptera, from the Kasyah Hills, near the boundary of Assam, in the East Indies, lately received from Dr. Cantor.* By the Rev. F. W. HOPE, F.R.S., &c.

[Read 7th November, 1842.]

Family LUCANIDÆ.

Sp. 1. *Lucanus Cantori*, Hope ♂.

Affinis *Luc. villosus*, Hope, at major. Piceo-brunneus aurataque pubescentia tectus; mandibulis exsertis, in medio dente majori armatis, apicibus subfurcatis; clypeo deflexo trigono, aurantiis capillis obsito. Thorax fere ut in *Lucan. lunifero*, Hope. Corpus subtus flavo-pubescent, femoribus rubro-coralinis tibiisque tarsisque nigris. Fœmina differt capite thorace multo minori, mandibulis autem longitudine fere æquali.

Long. lin. 31, lat. lin. 9; ♀ long. lin. 18, lat. lin. 9.

In Mus. Dom. Hope.

Sp. 2. *Lucanus Mearsii*, Parry.

Affinis præcedenti. Niger, mandibulis exsertis in medio unidentatis, apicibus late furcatis, dente parvo fere ad basin posito; elytris nigro-æneis, nitidis, et sub lente subtilissime punctulatis, capillisque flavis aspersis. Corpus infra nigro-æneum, capillisque luteis ornatum; femoribus tarsisque nigris, tibiisque rubro-piceis. (Mas.)

Long. corp. mandibulis inclusis, lin. 28, lat. lin. 8.

Habitat circa Silhet.

This beautiful species has been sent to me by Captain Parry for description; it is closely allied to the *Lucanus lunifer* of Hope, and is remarkable for having metallic elytra. Between the middle of its mandibles and the forked apex another denticle will be found in different specimens. I find that there are others which vary in size. It is named in honour of Captain Mears; the other sex is unknown to me.

Sp. 3. *Lucanus Platycephalus*, Hope.

Niger, mandibulis thorace parum longioribus, apicibus furcato-dentatis. Corpus antice latum, ultra oculos porrectum, depressum. Thorax transverso-quadratus, angulis posticis sub-

obliquis, fossulâ impressâ utrinque, ad posteriorem partem disci posita. Elytra nigra nitida, fere glabra, sub lente subtilissime punctulata. Corpus infra concolor, tarsis infra auricomatis. Fœmina adhuc latet.

Long. lin. 10, lat. lin. 5.

The above insect I received lately from the Kasyah Hills; the female, if I am not mistaken, is in the cabinet of Captain Parry.

Sp. 4. *Lucanus Maclellandi*, Hope.

Rubro-piceus, mandibulis capite thoraceque minoribus, interne multidentatis, apicibus acutis. Caput antice fossulâ supra oculos impressa, sparsimque subvariolosum. Thorax angulis anticis acutis, posticis obliquis. Elytra subtilissime punctulata, rubro-picea. Corpus infra concolor, tibiis anticis externe subdenticulatis, quatuor reliquis inermibus, tarsis supra nigro-piceis infraque auricomatis.

Long. lin. 8, lat. lin. $2\frac{1}{4}$.

This elegantly-formed species is named after the celebrated editor of the Calcutta Journal, to whom the naturalists of the East are much indebted for his zeal in promoting science.

DORCUS, Mac Leay.

Sp. 5. *Dorcus Antæus*, Hope.

Niger, nitidus et glabratus, sub lente tenuissime granulatus; latissimus, valde depressus; elytris lævibus, clypeo lato, mandibulis deplanatis, intus dente forti armatis, apicibus acutis. Corpus infra concolor, tibiis anticis externe denticulatis, quatuor posticis unidentatis.

Long. lin. 31, lat. lin. 11.

This gigantic insect I lately received from the indefatigable Dr. Cantor; it is allied to *Titan* of Boisduval, to *Bilunatus* of De Haan, and *Bucephalus* of Westwood.

Sp. 6. *Dorcus Tityus*, Hope.

Niger, mandibulis capite thoraceque æqualibus, interne denticulatis, dente forti fere ad basin posito, reliquis minutis, apicibus subfurcatis. Caput clypeo subbifido, transverse quadratum depressum, thorace latius. Thorax semilunaris, lateribus in medio dilatatis, angulis anticis subacutis, posticisque obliquis. Elytra thorace minora, ad apicem gradatim atte-

nuata. Pedes tibiis anticis multidentatis, quatuor posticis unidentatis.

Long. lin. $29\frac{1}{2}$, lat. lin. $9\frac{1}{2}$.

Habitat circa Silhet.

The above fine insect is described from the cabinet of Captain Parry: it appears to be unique.

Sp. 7. *Dorcus Reichei*, Hope.

Niger, mandibulis capite thoraceque æqualibus, ad basin inermibus, ante apicem dente forti subbifido armato, apicibusque subfurcatis. Elytra thorace parum minora atroque castanea. Corpus infra nigrum nitidum. Pedes sicut in *D. Tityo*.

Long. lin. 24, lat. lin. 7.

I have received this insect from the Kasyah Hills, and find that Captain Parry has one from Silhet, which differs slightly in the sculpture; it is named in honour of Monsieur Reich, a Parisian Entomologist.

Sp. 8. *Dorcus punctilabris*, Hope.

Niger, mandibulis exsertis, capite thoraceque minoribus, interne bidentatis, dentibus minutis apicibusque acutis. Thorax subtilissime punctatus. Elytra lineato-punctata, punctis per totum discum aspersis. Corpus infra nigrum, pectore capillis flavis obsito. Pedes antici tibiis multidentatis, quatuor posticis unidentatis tarsisque infra auricomatis.

Long. lin. $17\frac{1}{2}$, lat. lin. 6.

Sp. 9. *Dorcus Blanchardi*, Hope.

Affinis præcedenti. Niger, mandibulis exsertis, capite thoraceque minoribus, subvariolo-punctatis, dente robusto ad medium posito, secundo minuto, apicibusque acutis. Elytra creberrime punctulata, sub lente quasi cinerea. Corpus infra nigrum, mandibulis infraque subvariolo-punctatis. Pedes sicut in specie præcedente.

Long. lin. 16, lat. lin. $5\frac{1}{2}$.

The above insect was received from the Kasyah Hills, and is named after Monsieur Blanchard, a Parisian Entomologist.

Sp. 10. *Dorcus cognatus*, Hope ♂.

Affinis præcedenti. Niger, mandibulis impunctatis, dente forti fere in medio posito, secundo valde minuto, vix distincto.

Elytra glabra nitida, sub lente punctulata, lateribus extrorsum lineato-punctatis. Pedes sicut in *Dorco Blanchardi*.

Long. lin. 17, lat. lin. 5.

Habitat in agris Himalayanis, e Museo Dom. Parry descriptus.

Sp. 11. *Dorcus Chevrolatii*, Hope.

Affinis *L. Saigæ*, Fab. Niger, mandibulis exsertis arcuatis, capiteque longioribus, in medio intus lato dente armatus, apicibus subfurcatis. Caput thoraxque elytris latiora depressiuscula. Elytra piceo-castanea, fere glabra, ad apicem gradatim decrescentia. Corpus infra nigro-piceum, pedibus concoloribus, femoribus tibiisque aurantiis capillis obsitis.

Long. lin. 26, lat. lin. $8\frac{1}{2}$.

The above insect was received from Dr. Cantor from the Kasyah Hills; it is named in honour of Monsienn Chevrolat, the author of a work on the Mexican *Coleoptera*. There are several species confounded with *L. Saiga* of Fabricius.

Family DYNASTIDÆ, Mac Leay.

DYNASTES, Mac Leay.

Sp. 12. *Dynastes Cantori* ♂.

Atro-piceus, cornu capitis recurvo robusto, thorace antice bicornè; elytris obscure piceis, marginibus externe pallide castaneis. Corpus infra rubro-piceum, femoribus concoloribus, tibiis tarsisque nigricantibus. Fœmina differt capite inermi thorace angulis anticis utrinque parum productis.

♂ Long. lin. 26, lat. lin. 12. ♀ Long. lin. 24, lat. lin. 12.

The above magnificent species I have much pleasure in dedicating to Dr. Cantor, who, amidst the laborious services of the medical profession, still encourages others to collect for the benefit of English Entomologists, although unable individually to undertake such matters. There is little doubt that the insects allied to *Dynastes Hardwickii* form a peculiar subgenus, differing from *Chalcosoma*.

Family LAMIADÆ.

Sp. 13. *Lamia Downesii*, Hope.

Affinis *Lamiæ Roylii*, Hope, at minor. Nigra, antennis corpore longioribus, elytris apicibus interne et externe mucronatis, ad basin scabris, maculis decem flavis notatis, maculis octo ma-

goribus, duabus aliis minutis. Corpus infra fusco-nigrum, lateribus utrinque flavo-vittatis.

Long. lin. 27, lat. lin. 9.

The present insect is closely allied to *Lamia Roylii*, described by me in the Zoological Transactions, &c. vol. i. p. 103. It differs in having its antennæ less scabrous. It is scarcely so long as *L. Roylii*, but is broader and more robust. In the former insect the spines at the apex are merely sutural, whilst in the present species they are more strongly marked internally, as well as laterally. In some specimens the two smaller yellow spots are wanting. The above insect is dedicated in honour of Ezra Downes, Esq., one of the most zealous collectors of Oriental Entomology. Some valuable communications may shortly be expected from him, particularly in relation to the East Indian *Chalcididæ*.

Sp. 14. *Lamia Parryi*, Hope.

Griseo-nigra, antennis corpore longioribus, articulis scabris; elytris ad basin mamillato-scabris, maculis albis octo notatis. Corpus infra fusco-griseum, lateribus utrinque albivittatis.

Long. lin. $17\frac{1}{2}$, lat. lin. 6.

Habitat circa Silhet.

This insect I received from Silhet from Captain Parry's collection, and I have also received it from the Kasyah Hills by means of Dr. Cantor.
